

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1. (Previously Amended) A liquid crystal display device comprising:

a substrate;

a first conductive layer on the substrate;

a first insulating layer on the first conductive layer, the first insulating layer having a contact hole exposing a portion of the first conductive layer;

a semiconductor layer on the first insulating layer;

a second conductive layer on the first insulating layer;

a third conductive layer on the second conductive layer;

a second insulating layer on the third conductive layer, the second insulating layer having a first contact hole exposing a portion of the third conductive layer, and a second contact hole exposing the portion of the first conductive exposed by the first insulating layer;

a fourth conductive layer on the second insulating layer and electrically contacting the third conductive layer;

a fifth conductive layer on the second insulating layer and electrically contacting the first conductive layer through the second contact hole; and

a sixth conductive layer between the exposed portion of the third conductive layer and the fourth conductive layer, and between the first conductive layer and the fifth conductive layer.

Claim 2. (Original) The liquid crystal display device according to claim 1, wherein the first conductive layer includes a metal.

Claim 3. (Original) The liquid crystal display device according to claim 2, wherein the metal includes Al.

Claim 4. (Previously Presented) The liquid crystal display device according to claim 1, wherein the second conductive layer includes an impurity doped semiconductor.

Claim 5. (Previously Amended) The liquid crystal display device according to claim 4, wherein the third conductive layer has first and second parts spaced from each other and the semiconductor is etched between the first and second parts of the third conductive layer.

Claim 6. (Original) The liquid crystal display device according to claim 1, wherein the third conductive layer includes a metal.

Claim 7. (Original) The liquid crystal display device according to claim 1, wherein the fourth conductive layer includes a transparent electrode.

Claim 8. (Previously Amended) The liquid crystal display device according to claim 1, wherein the sixth conductive layer includes a metal.

Claim 9. (Original) The liquid crystal display device according to claim 8, wherein the metal is selected from the group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

Claim 10. (Cancelled)

Claim 11. (Withdrawn) The liquid crystal display device comprising:

- a substrate having first and second regions;
- a thin film transistor on the first region of the substrate;
- a pad portion on the second region of the substrate, the pad portion including:
 - a first conductive layer on the substrate;
 - a first insulating layer on the first conductive layer;
 - a second insulating layer on the first insulating layer, the second insulating layer having a hole exposing a portion the first conductive layer;
 - a second conductive layer on the portion of the first conductive layer and contacting the first conductive layer; and
 - a third conductive layer on the second insulating layer and contacting the second conductive layer through the hole in the second insulating layer.

Claim 12. (Withdrawn) The liquid crystal display device according to claim 1, wherein the first conductive layer includes a metal.

Claim 13. (Withdrawn) The liquid crystal display device according to claim 12, wherein the metal includes Al.

Claim 14. (Withdrawn) The liquid crystal display device according to claim 12, wherein the third conductive layer includes a transparent electrode.

Claim 15. (Withdrawn) The liquid crystal display device according to claim 12, wherein the second conductive layer includes a metal.

Claim 16. (Withdrawn) The liquid crystal display device according to claim 15, wherein the metal is selected from the group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

Claim 17. (Withdrawn) A liquid crystal display device comprising:

a substrate having first and second regions;
a switching device on the first region of the substrate, the switching device
including:

a first conductive layer on the substrate;
a first insulating layer on the first conductive layer;
a second conductive layer on the first insulating layer;
a third conductive layer on the second conductive layer;
a second insulating layer on the third conductive layer, the second insulating layer
having a first hole exposing a portion of the third conductive layer;

a fourth conductive layer on the second insulating layer and electrically
contacting the third conductive layer; and

a fifth conductive layer between the third conductive layer and the fourth
conductive layer; and

a pad portion on the second region of the substrate, the pad portion including:
the first conductive layer on the substrate;
the first insulating layer on the first
conductive layer;

the second insulating layer on the first
insulating layer, the second insulating layer having a second hole exposing a portion the
first conductive layer;

the fifth conductive layer on the portion of the
first conductive layer and contacting the first conductive layer; and
the fourth conductive layer on the second

insulating layer and contacting the fifth conductive layer through the second hole in the second insulating layer.

Claim 18. (Withdrawn) The liquid crystal display device according to claim 17, wherein fifth conductive layer is selected from a group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

Claim 19. (Withdrawn) A liquid crystal display device comprising:

- a substrate;
- a gate electrode on the substrate;
- an insulating layer on the gate electrode;
- a semiconductor layer on the insulating layer;
- an ohmic contact layer on the semiconductor layer;
- source and drain electrodes on the ohmic contact layer;
- a protective layer on the source and drain electrodes, the protective layer having a hole exposing a portion of one of the source and drain electrodes;
- a conductive electrode on the protective layer and electrically contacting the one of the source and drain electrodes; and
- a contact layer between the one of the source and drain electrodes and the conductive electrode.

Claim 20. (Withdrawn) The liquid crystal display device according to claim 19, further comprising a pad portion on the substrate, the pad portion including:

- a conductive pad on the substrate;
- the insulating layer on the conductive pad;
- the protective layer on the insulating layer, the protective layer having a second hole over the pad;

the contact layer contacting the pad through the second hole; and

the conductive electrode contacting the contact layer through the second hole.

Claim 21. (Withdrawn) The liquid crystal display device according to claim 19, wherein the contact layer is selected from a group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

Claim 22. (Withdrawn) A method of fabricating a liquid crystal display device comprising:

forming a switching device on a first region of a substrate, the switching device including:

a first conductive layer on the substrate;

a first insulating layer on the first conductive layer;

a second conductive layer on the first insulating layer;

a third conductive layer on the second conductive layer;

a second insulating layer on the third conductive layer, the second insulating layer having a first hole exposing a portion of the third conductive layer;

a fourth conductive layer on the second insulating layer and electrically contacting the third conductive layer; and

a fifth conductive layer between the third conductive layer and the fourth conductive layer; and

forming a pad portion on a second region of the substrate, the pad portion including:

the first conductive layer on the substrate;

the first insulating layer on the first conductive layer;

the second insulating layer on the first

insulating layer, the second insulating layer having a second hole exposing a portion the first conductive layer;

the fifth conductive layer on the portion of the

first conductive layer and contacting the first conductive layer; and

the fourth conductive layer on the second insulating layer and contacting the fifth conductive layer through the second hole in the second insulating layer.

Claim 23. (Withdrawn) The method according to claim 22, wherein fifth conductive layer is selected from a group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

Claim 24. (Withdrawn) A method of forming a liquid crystal display device comprising:

forming a gate electrode on a substrate;

forming an insulating layer on the gate electrode;

forming a semiconductor layer on the insulating layer;

forming an ohmic contact layer on the semiconductor layer;

forming source and drain electrodes on the ohmic contact layer;

forming a protective layer on the source and drain electrodes, the protective layer having a hole exposing a portion of one of the source and drain electrodes;

forming a conductive electrode on the protective layer and electrically contacting the one of the source and drain electrodes; and

forming a contact layer between the one of the source and drain electrodes and the conductive electrode.

Claim 25. (Withdrawn) The method according to claim 24, further comprising forming a pad portion on the substrate, the pad portion including:

a conductive pad on the substrate;

the insulating layer on the conductive pad;

the protective layer on the insulating layer, the protective layer having a second hole over the pad;

the contact layer contacting the pad through the second hole; and

the conductive electrode contacting the contact layer through the second hole.

Claim 26. (Withdrawn) The method according to claim 25, wherein the contact layer is selected from a group consisting of Mo, Ni, Cr, Cu, Ag and Pb.